

83100-4

12/16/2013

1/7



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

Cheryl Wagner  
c/o Wagner Regulatory Associates, Inc.  
P.O. Box 640  
Hockessin, DE 19707

DEC 16 2013

Subject: Amendment to add supplemental label  
Product Name: Abacus Agricultural Miticide/Insecticide  
EPA Registration No. 83100-04  
Submission Date: September 09, 2013  
Decision Number: # 483098

Dear Ms. Wagner,

The labeling referred to above, submitted under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is acceptable. Submit two copies of your final printed labeling before you release the product for shipment. A stamped copy is enclosed for your records. If you have any questions, please contact me at (703) 347-0263 or [rogala.jessica@epa.gov](mailto:rogala.jessica@epa.gov).

Sincerely,

A handwritten signature in black ink, appearing to read "Reuben Baris".

Reuben Baris  
Acting Product Manager 07  
Insecticide-Rodenticide Branch  
Registration Division (7505P)



Manufactured for:  
ROTAM NORTH AMERICA, INC.  
4900 Koger Blvd. Suite #140  
Greensboro, NC 27407  
1-866-927-6826

## SUPPLEMENTAL LABELING

**RESTRICTED USE PESTICIDE**  
TOXIC TO FISH, MAMMALS, AND AQUATIC ORGANISMS  
FOR RETAIL SALE TO AND USE ONLY BY CERTIFIED APPLICATORS OR  
PERSONS UNDER THEIR DIRECT SUPERVISION, AND ONLY FOR THOSE USES  
COVERED BY THE CERTIFIED APPLICATOR'S CERTIFICATION.

This supplemental labeling expires on February 12, 2015 and must not be distributed or used after that date.

# ABACUS®

## Agricultural Miticide/Insecticide

**ACTIVE INGREDIENT:**

Abamectin (CAS Nos: 65195-55-3 and 65195-56-4)

**Other Ingredients:**

**Total:**

\*0.15 lb. Abamectin per gallon

**ACCEPTED**  
DEC 16 2013  
Under the Federal Insecticide,  
Fungicide, and Rodenticide Act,  
as amended, for the pesticide  
registered under  
EPA Reg. No. 83100-4

98.0%

100.0%

Product of China

EPA Reg. No.: 83100 - 4

EPA Est. No.: 069821-CHN-005

- This supplemental label includes directions for use on Dry Beans, Herbs, and Bulb Onions.
- Before using Abacus Miticide/Insecticide as permitted according to this supplemental label, read and follow all applicable directions, restrictions, and precautions on the EPA-registered label on or attached to the pesticide product container.
- All applicable directions, restrictions and precautions on the EPA-registered label are to be followed.
- Read the container label for Abacus Agricultural Miticide/Insecticide before applying. Use of Abacus Agricultural Miticide/Insecticide according to this label is subject to the use precautions and limitations imposed by the label affixed to the product container.
- This Supplemental Labeling must be in the possession of the user at the time of pesticide application. It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

## KEEP OUT OF REACH OF CHILDREN WARNING/AVISO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.  
(If you do not understand the label, find someone to explain it to you in detail.)

Abacus Agricultural Miticide/Insecticide  
Supplemental Labeling



<p><i>Liriomyza</i> leafminers Spider mites</p>	<p>8.0-16.0</p>	<p>Use 8-12 fl. oz./A for low to moderate infestations and 13-16 fl. oz./A for high infestations. <b>Leafminers and Spider Mites:</b> Apply when adult leafminer flies or spider mites are first observed and repeat application, as needed, to maintain control within constraints of a sound resistance management program. <b>(See Use Restrictions.)</b></p>
---	-----------------	--

**USE RESTRICTIONS – Dry Beans**

**PHI:** Do not apply within **7 days** of harvest (7-day PHI).

**Application Method:** Ground or aerial application permitted; however, do not apply with aircraft in New York state.

**Amount of Water:** Do not apply in less than 10 gal. of water/A with ground application equipment. Do not apply in less than 5 gal. of water/A with aircraft. Under conditions such as high pest populations, dense foliage, or adverse application conditions (such as high temperatures), use a greater volume of water to ensure adequate coverage.

**Maximum Amount per Application:** Do not apply more than 16 fl. oz./A (or 0.019 lb. a.i./A) of Abacus Agricultural Miticide/Insecticide or any other foliarly applied abamectin-containing product per application.

**Application Interval:** Wait at least 6 days before repeating application.

**Number of Applications:** Do not make more than 2 sequential applications of Abacus Agricultural Miticide/Insecticide or any other foliarly applied abamectin-containing product.

**Maximum Amount per Season:** Do not apply more than 48 fl. oz./A (or 0.056 lb. a.i./A) of Abacus Agricultural Miticide/Insecticide or any other foliarly applied abamectin-containing product in a growing season.

**Herb Crop Subgroup (Crop Subgroup 19A)**

Crops include: Angelica, Balm, Basil, Borage, Burnet, Camomile, Catnip, Chervil (dried), Chives, Chives (Chinese), Clary, Coriander (leaf), Cilantro (leaf), Costmary, Culantro (leaf), Curry (leaf), Dill weed, Horehound, Hyssop, Lavender, Lemongrass, Lovage (leaf), Marigold, Marjoram (*Origanum* species), Nasturtium, Parsley (dried), Pennyroyal, Rosemary, Rue, Sage, Summer and Winter savory, Sweet bay, Tansy, Tarragon, Thyme, Wintergreen, Woodruff, and Wormwood.

For control of *Liriomyza* leafminers and Spider Mites.

Mix with water as indicated below. Apply thoroughly with ground application equipment as a foliar spray and ensure good upper and lower leaf coverage.

**APPLICATION RATES – Herb Crop Subgroup (Crop Subgroup 19A)**

Pests	Fl. Oz./A.	Instructions
-------	------------	--------------

Abacus Agricultural Miticide/Insecticide  
Supplemental Labeling

<p><i>Liriomyza</i> leafminers Spider mites</p>	<p>8.0-16.0</p>	<p>Use 8 fl. oz./A for low to moderate infestations and 16 fl. oz./A for severe infestations. Apply when adult leafminer flies or spider mites are first observed and repeat application as necessary to maintain control. <b>(See Use Restrictions.)</b></p> <p>Abacus Agricultural Miticide/Insecticide may be used without a wetting agent. When necessary to improve the wetting of foliage and to smooth out spray deposits, a nonionic surfactant is recommended for all crops in the Herb Crop Subgroup except chives. Do not use a surfactant when applying this product to chives.</p> <p><b>Note:</b> Although Abacus Agricultural Miticide/Insecticide has been tested in combination with a nonionic surfactant for safety to herbs, it is impossible to test on all herb types and varieties under the variety of conditions that may cause crop injury. Therefore, when using Abacus Agricultural Miticide/Insecticide in combination with a nonionic surfactant, carefully follow the <b>Directions for Use</b> and <b>Precautions</b> on the nonionic surfactant label and in official spray guides.</p>
---	-----------------	--

#### USE RESTRICTIONS – Herb Crop Subgroup (Crop Subgroup 19A)

**PHI:** Do not apply within **14 days** of harvest. For chives, do not apply within **7 days** of harvest.

**Application Method:** Apply with ground application equipment.

**Amount of Water:** Use a minimum of 20 gal. of water/A.

**Maximum Amount per Application:** Do not apply more than 16 fl. oz./A (or 0.019 lb. a.i./A) of Abacus Agricultural Miticide/Insecticide or any other foliarly applied abamectin-containing product per application.

**Application Interval:** Wait at least 7 days before repeating application.

**Number of Applications:** Do not make more than 2 applications of Abacus Agricultural Miticide/Insecticide or any other foliarly applied abamectin-containing product per single cutting (harvest).

**Maximum Amount per Season:** Do not apply more than 48 fl. oz./A (or 0.056 lb. a.i./A) of Abacus Agricultural Miticide/Insecticide or any other foliarly applied abamectin-containing product per year.

#### Onion, Bulb (Crop Subgroup 3-07A)

**Crops include:** Onion, bulb, including daylily, bulb; fritillaria, bulb; garlic, bulb; garlic, great-headed, bulb; garlic, serpent, bulb; lily, bulb; onion, Chinese bulb; onion, pearl; onion, potato, bulb; shallot, bulb; cultivars, varieties, and/or hybrids of these.

### For control of *Liriomyza* leafminers and Thrips

Mix with water as indicated below. Thorough coverage of the crop canopy is essential for optimum results. Inadequate coverage can result in reduced control.

**Note:**

- Apply Abacus Agricultural Miticide/Insecticide with ground application equipment or aircraft.
- For best control, apply Abacus Agricultural Miticide/Insecticide with ground application equipment. With aerial application, the resulting control of leafminers and thrips could be less than with ground application.

#### APPLICATION RATES – Onion, Bulb (Crop Subgroup 3-07A)

Pests	Fl. Oz./A.	Instructions
<i>Liriomyza</i> leafminers Thrips	8.0-16.0	<p>Use 8-12 fl. oz./A for low to moderate infestations and 13-16 fl. oz./A for high infestations.</p> <p><b>Leafminers:</b> Apply when adult leafminer flies are first observed and repeat application as needed to maintain control within constraints of a sound resistance management program. <b>(See Use Restrictions.)</b></p> <p><b>Thrips:</b> Apply in a thrips management program and when thrips are at economic threshold. Repeat application as needed to maintain control within constraints of a sound resistance management program. <b>(See Use Restrictions).</b> Do not use Abacus Agricultural Miticide/Insecticide as a rescue treatment for thrips control.</p> <p><b>Note:</b> Add a non-ionic activator type wetting, spreading and/or penetrating adjuvant approved for use on bulb onion. Do not use binder sticker type adjuvants. Tank mixing with products that have binder sticker type formulations can reduce Abacus Agricultural Miticide/Insecticide performance. <b>(See Use Information and Use Restrictions).</b></p>

#### USE RESTRICTIONS – Onion, Bulb (Crop Subgroup 3-07A)

**PHI:** Do not apply within **30 days** of harvest.

**Application Method:** Ground or aerial application permitted; however, do not apply with aircraft

Abacus Agricultural Miticide/Insecticide  
Supplemental Labeling

in New York state.

**Amount of Water:** Do not apply in less than 20 gal. of water/A with ground application equipment. Do not apply in less than 5 gal. of water/A with aircraft. Under conditions such as high pest populations, dense foliage, or adverse application conditions (such as high temperatures), use a greater volume of water to ensure adequate coverage.

**Maximum Amount per Application:** Do not apply more than 16 fl. oz./A (or 0.019 lb. a.i./A) of Abacus Agricultural Miticide/Insecticide or any other foliarly applied abamectin-containing product per application.

**Application Interval:** Wait at least 7 days before repeating application.

**Number of Applications:** Make 2 consecutive applications of Abacus Agricultural Miticide/Insecticide then rotate to a chemistry with a different mode of action. Make at least 2 applications of a chemistry with a different mode of action before making additional Abacus Agricultural Miticide/Insecticide applications. Do not make more than 2 sequential applications of Abacus Agricultural Miticide/Insecticide or any other foliarly applied abamectin-containing product.

**Maximum Amount per Season:** Do not apply more than 48 fl. oz./A (or 0.056 lb. a.i./A) of Abacus Agricultural Miticide/Insecticide or any other foliarly applied abamectin-containing product in a growing season.

---

© 2013 Rotam North America, Inc.

Abacus and the Rotam North America, Inc. logo are trademarks of Rotam Group Company

